



Receipt

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: V. Kashyap  
Serial No.: 09/917,314  
Filed: July 27, 2001  
Group Art Unit: 2661  
Examiner: Unassigned  
Confirmation No.: 9560  
Title: NETWORK NODE FAILOVER USING PATH REROUTING BY  
MANAGER COMPONENT OR SWITCH PORT REMAPPING

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OCT 11 2001  
Technology Center 2600

Assistant Commissioner for Patents  
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**REQUEST FOR CORRECTED FILING RECEIPT**

Applicant has received the official Filing Receipt for the above-referenced patent application, copy attached as Exhibit A. A corrected filing receipt is requested for the following point of information:

The Attorney Docket No. as typed on the Filing Receipt (i.e., BEA920010014US1) is incorrect. A copy of the first page of the original application that was filed on July 27, 2001 is enclosed at Exhibit B which correctly states the Attorney Docket No. as "BEA920010015US1". Specifically, the number "0014" needs to be changed to "0015".

Applicant respectfully requests that a corrected filing receipt be issued and forwarded to applicant's attorney for this application.

IBM Corporation  
IPLaw Dept. - EDO2-805  
15450 SW Koll Parkway  
Beaverton, OR 97006-6063  
Telephone: (503) 578-5020  
Fax: (503) 578-5040

Pryor A. Garnett  
Attorney for Applicants  
Registration No. 32,136



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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/917,314 ✓	07/27/2001 ✓	2661 ✓	710 ✓	BEA920010014US1	13 ✓	20 ✓	3 ✓

**CONFIRMATION NO. 9560**

**FILING RECEIPT**



\*OC000000006510339\*

Pryor Garnett, Counsel  
IBM Corporation  
Intellectual Property Law Dept., EDO2-805  
15450 SW Koll Parkway  
Beaverton, OR 97006-6063

Date Mailed: 09/04/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

Vivek Kashyap, Beaverton, OR; ✓

**Assignment For Published Patent Application**

International Business Machines Corporation, Armonk, NY; ✓

**Domestic Priority data as claimed by applicant**

**Foreign Applications**

If Required, Foreign Filing License Granted 09/03/2001 ✓

Projected Publication Date: 01/30/2003 ✓

Non-Publication Request: No

Early Publication Request: No

**Title**

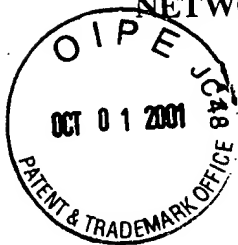
Network node failover using path rerouting by manager component or switch port remapping ✓

**Preliminary Class**

Exhibit A

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1 NETWORK NODE FAILOVER USING PATH REROUTING BY MANAGER  
2 COMPONENT OR SWITCH PORT REMAPPING



3 BACKGROUND OF THE INVENTION

4 Technical Field

5 This invention relates generally to networks, such as Infiniband networks, and  
more particularly to failover of nodes within such networks.

6 Description of the Prior Art

7 Input/output (I/O) networks, such as system buses, can be used for the processor  
of a computer to communicate with peripherals such as network adapters. However,  
constraints in the architectures of common I/O networks, such as the Peripheral  
Component Interface (PCI) bus, limit the overall performance of computers. Therefore,  
new types of I/O networks have been proposed.

8 One new type of I/O network is known and referred to as the InfiniBand network.  
The InfiniBand network replaces the PCI or other bus currently found in computers with  
a packet-switched network, complete with one or more routers. A host channel adapter  
(HCA) couples the processor to a subnet, whereas target channel adapters (TCAs) couple  
the peripherals to the subnet. The subnet includes at least one switch, and links that  
connect the HCA and the TCAs to the switches. For example, a simple InfiniBand  
network may have one switch, to which the HCA and the TCAs connect through links.  
Topologies that are more complex are also possible and contemplated.

9 Each end node of an Infiniband network contains one or more channel adapters  
(CAs) and each CA contains one or more ports. Each port has a local identifier (LID)

Exhibit B



## UNITED STATES PATENT AND TRADEMARK OFFICE

FILE COPY

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Bib Data Sheet

CONFIRMATION NO. 9560

<b>SERIAL NUMBER</b> 09/917,314	<b>FILING DATE</b> 07/27/2001 <b>RULE</b>	<b>CLASS</b> 370	<b>GROUP ART UNIT</b> 2661	<b>ATTORNEY DOCKET NO.</b> BEA920010015US1
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## APPLICANTS

Vivek Kashyap, Beaverton, OR;

\*\* CONTINUING DATA \*\*\*\*\*

\*\* FOREIGN APPLICATIONS \*\*\*\*\*

## IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 09/03/2001

Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no	<b>STATE OR COUNTRY</b> OR	<b>SHEETS DRAWING</b> 13	<b>TOTAL CLAIMS</b> 20	<b>INDEPENDENT CLAIMS</b> 3
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged	Examiner's Signature	Initials		

## ADDRESS

 Pryor Garnett, Counsel  
 IBM Corporation  
 Intellectual Property Law Dept., EDO2-805  
 15450 SW Koll Parkway  
 Beaverton, OR 97006-6063

# 25253

## TITLE

Network node failover using path rerouting by manager component or switch port remapping

<b>FILING FEE RECEIVED</b> 710	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees
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